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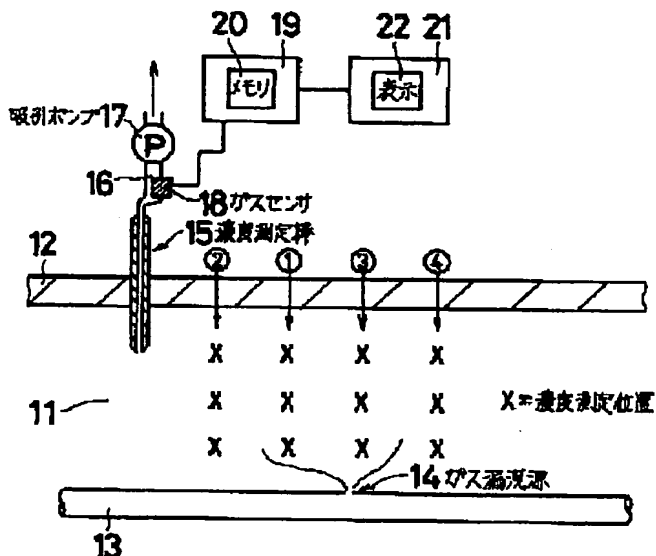
APPLICATION DATE : 22-01-92
APPLICATION NUMBER : 04009101

APPLICANT : OSAKA GAS CO LTD;

INVENTOR : OGAWA YASUO;

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TITLE : DETECTING METHOD FOR LEAKAGE
POSITION OF PIPE BURIED
UNDERGROUND



ABSTRACT : PURPOSE: To accurately and quickly specify the gas leakage position of a pipe buried underground.

CONSTITUTION: A concentration measuring rod 15 is driven into soil 11 from the ground surface along the length direction of a pipe 13 buried underground in the vicinity of a gas leakage source 14 of the pipe 13. The rod 15 is connected to a suction pump 17 through a suction pipe 16. A gas sensor 18 is connected in the middle of the pipe 16. At the time of driving the rod 15, gas concentration in the soil 11 are measured at every fixed depth and stored in a memory 20 incorporated in a concentration data collecting and analyzing device 19. An equal concentration line plotting device 21 plots an equal concentration line from the data accumulated in the memory 20 and displays the plotted line on its displaying screen 22. A location near the highest concentration point of the equal concentration line group in the displayed equal concentration diagram is discriminated as a gas leakage position.

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